

008TF" 6295T 260

FORMAL DRAWINGS

FIG. 1

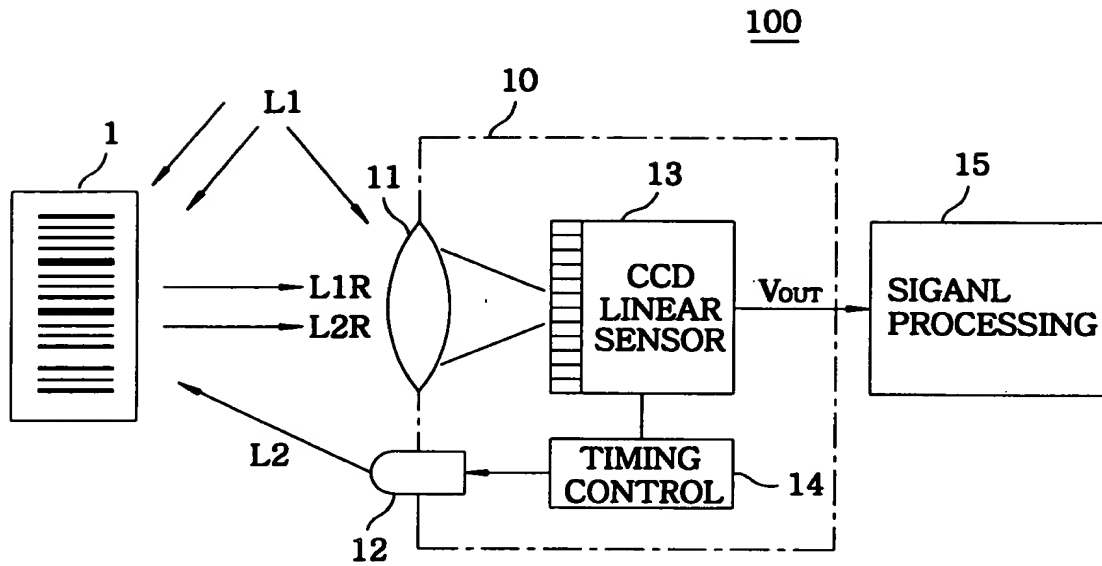
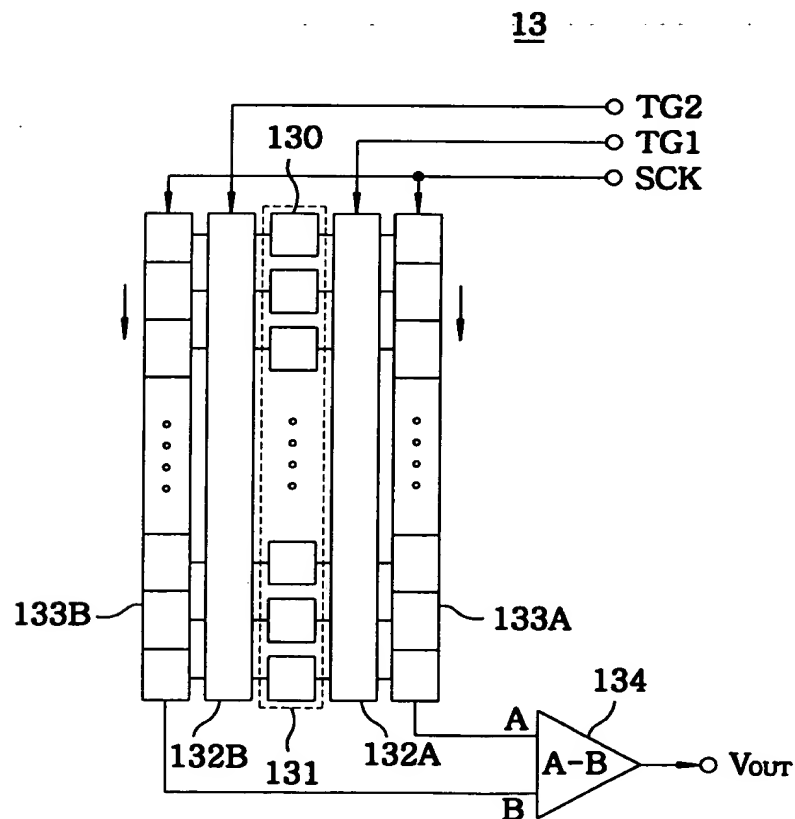


FIG. 2



20614

FIG. 3A

OPERATION MODE



FIG. 3B

**ON/OFF CONTROL
SIGNAL**

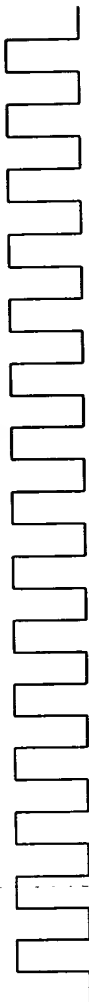


FIG. 3C

EXPOSURE PERIODS OF ON-STATE



FIG. 3D

EXPOSURE PERIODS OF OFF-STATE

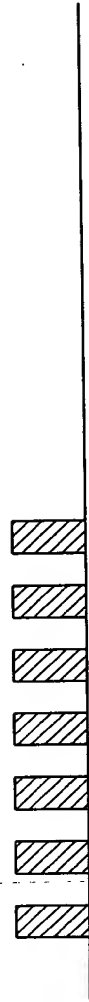


FIG. 3E

TRANSFER TIMING (TG1) FOR FIRST TRANSFER GATE



FIG. 3F

TRANSFER TIMING (TG2) FOR SECOND TRANSFER GATE

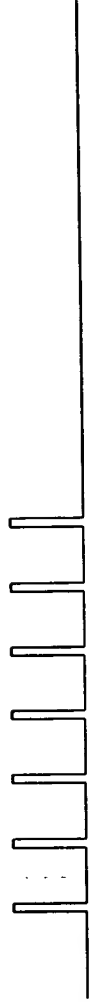


FIG. 3G

SIGNAL READING TIMING (SCK)



FIG. 3H

OUTPUT
SIGNAL(V_{OUT})

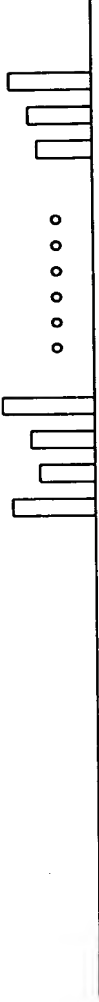


FIG. 5

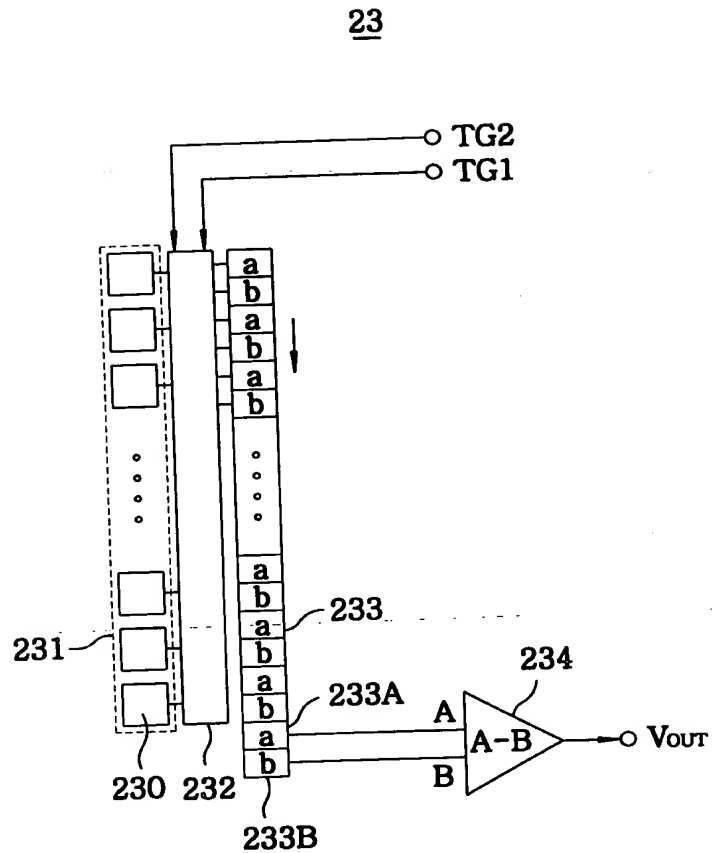


FIG. 6A
SIGNAL READING
TIMING FOR CCD 233



FIG. 6B
OUTPUT SIGNAL
OF CCD 233A

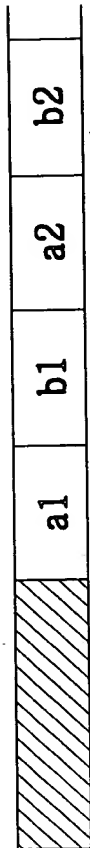


FIG. 6C
OUTPUT SIGNAL
OF CCD 233B

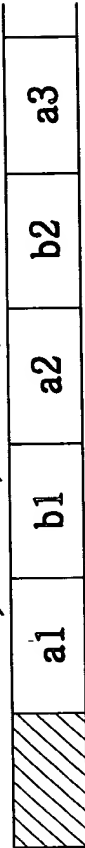


FIG. 6D
OUTPUT SIGNAL
OF DIFFERENTIAL
AMPLIFIER



FIG. 6E
OUTPUT VOLTAGE
OF DIFFERENTIAL
AMPLIFIER



FIG. 7

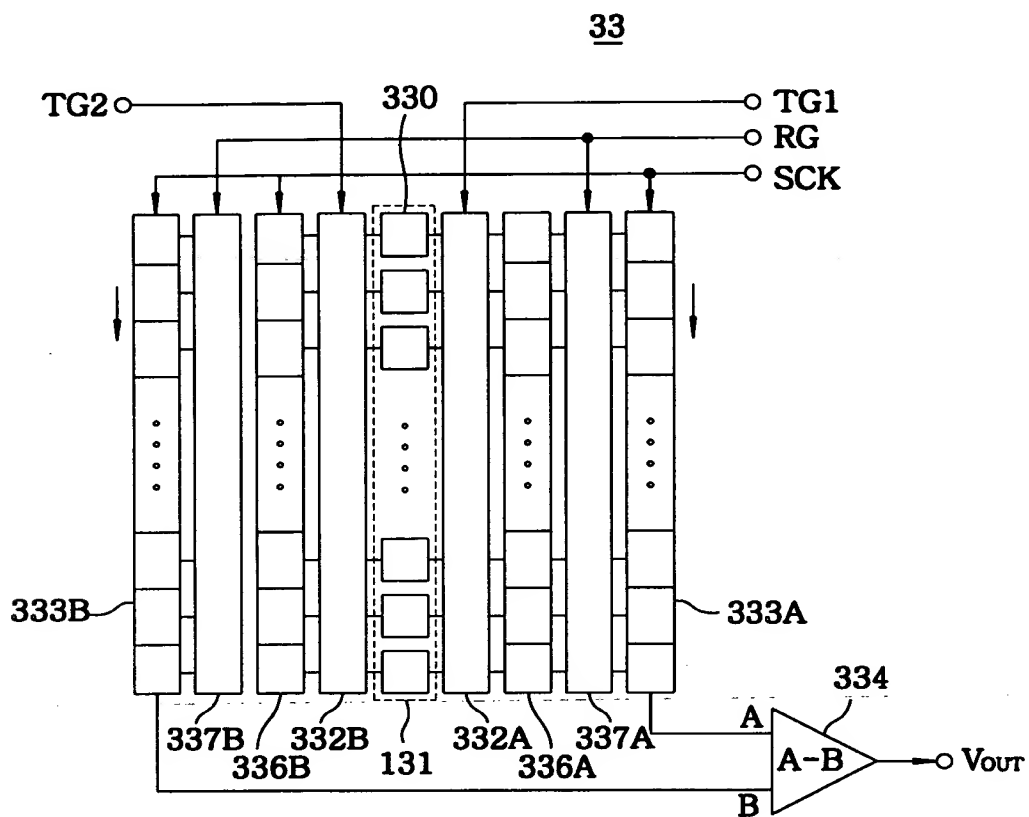


FIG. 8A

OPERATION MODE

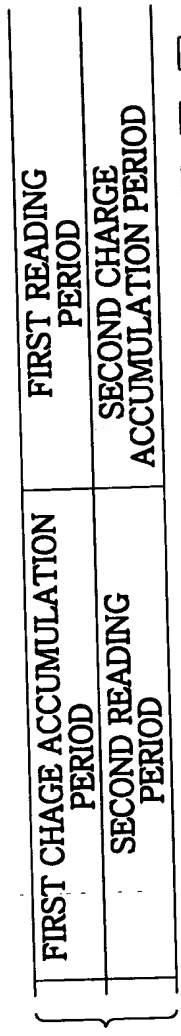


FIG. 8B

ON/OFF CONTROL SIGNAL

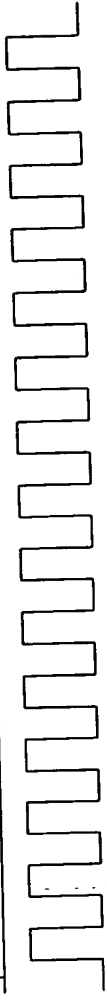


FIG. 8C

EXPOSURE PERIODS OF ON-STATE

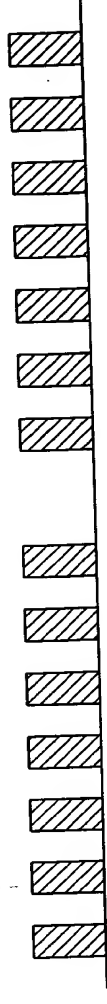


FIG. 8D

EXPOSURE PERIODS OF OFF-STATE

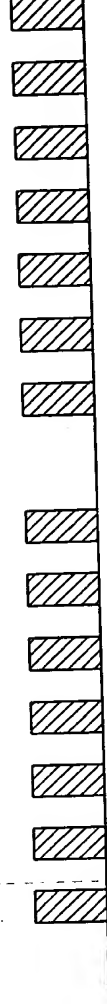


FIG. 8E

TRANSFER TIMING (TG1) FOR FIRST TRANSFER GATE

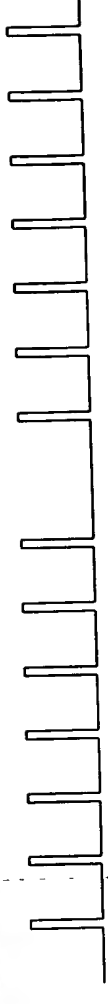


FIG. 8F

TRANSFER TIMING (TG2) FOR SECOND TRANSFER GATE

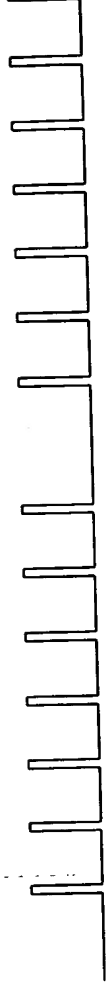


FIG. 8G

READING GATE TRANSFER TIMING (RG)

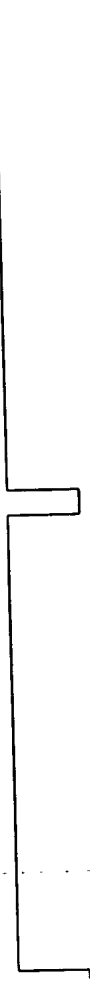


FIG. 8H

SIGNAL READING TIMING (SCK)

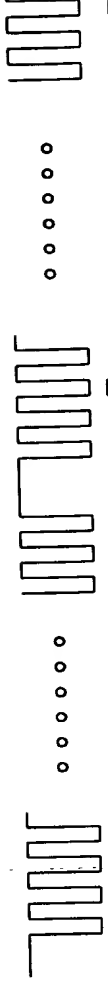


FIG. 8I

OUTPUT SIGNAL(V_{OUT})

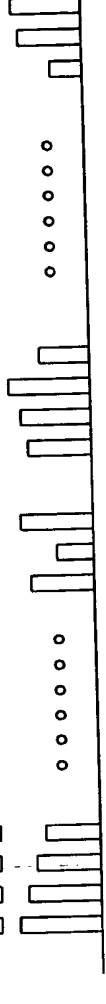


FIG. 9

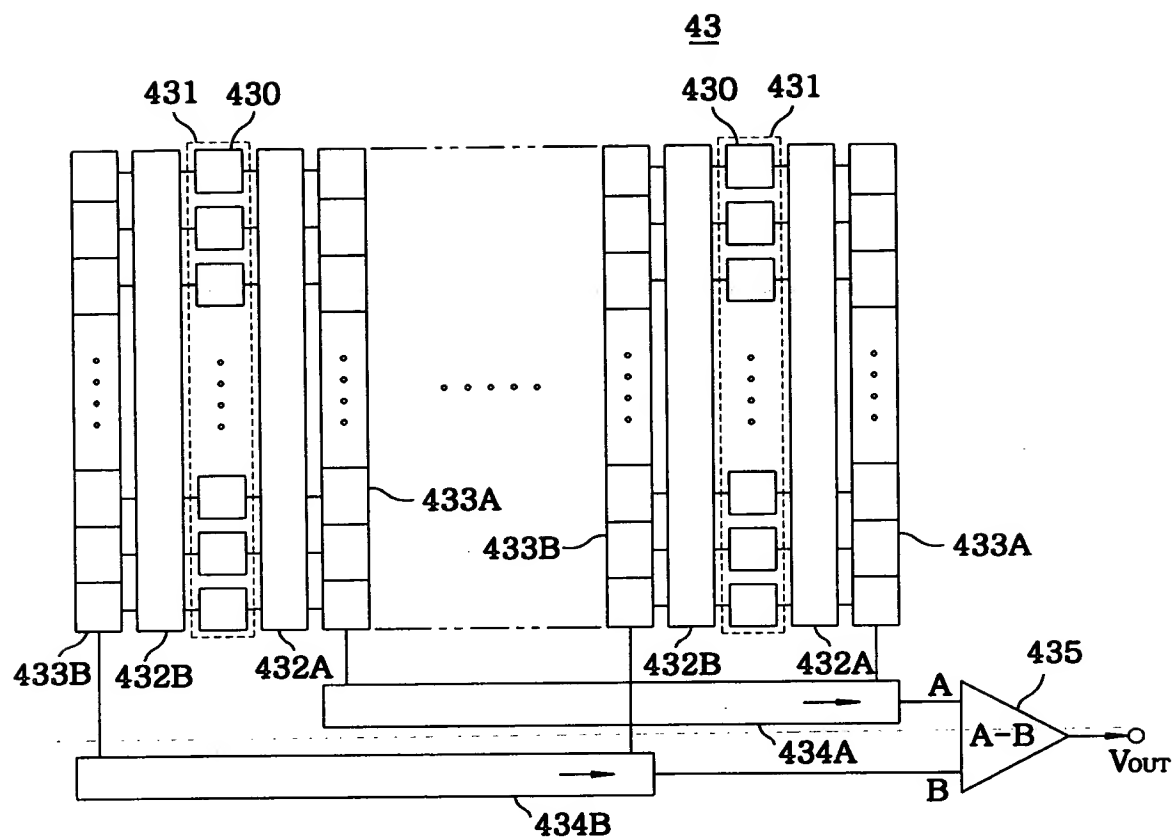


FIG. 10

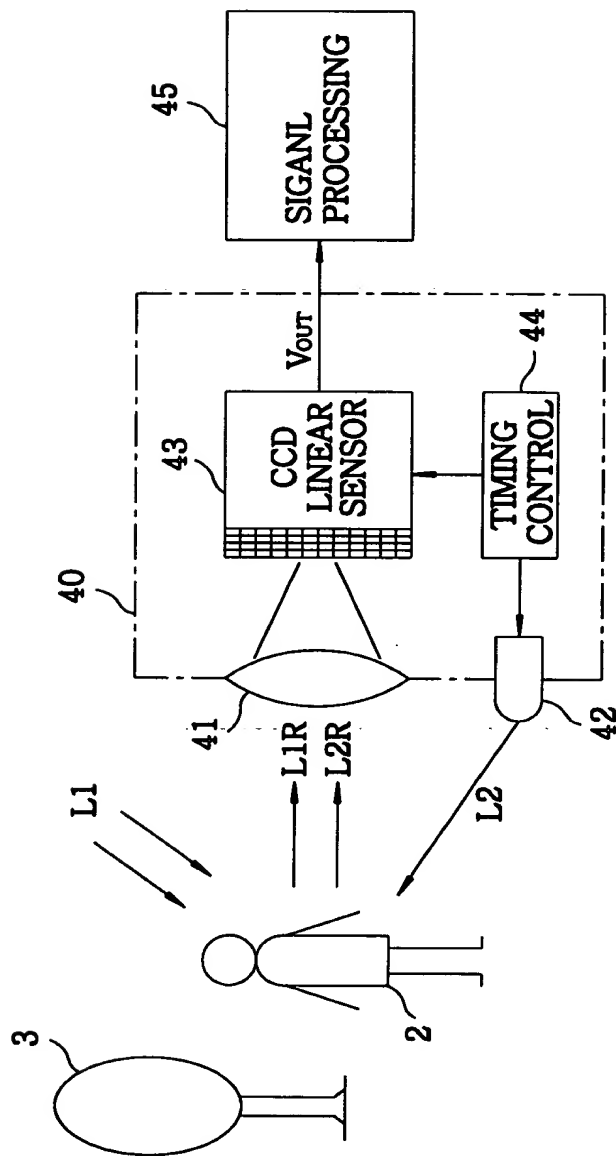


FIG. 11A

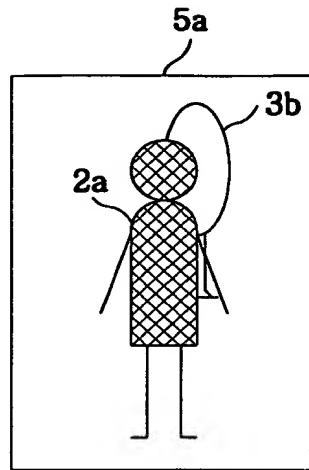


FIG. 11B

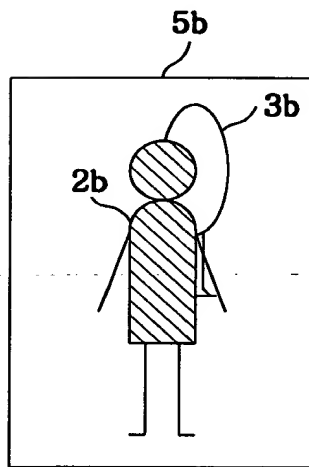


FIG. 11C

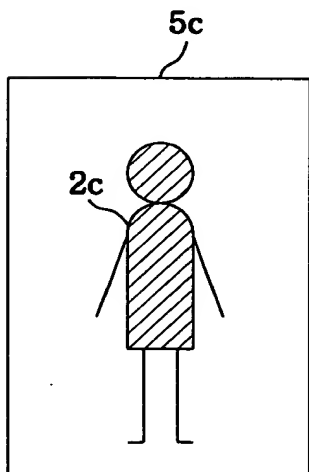
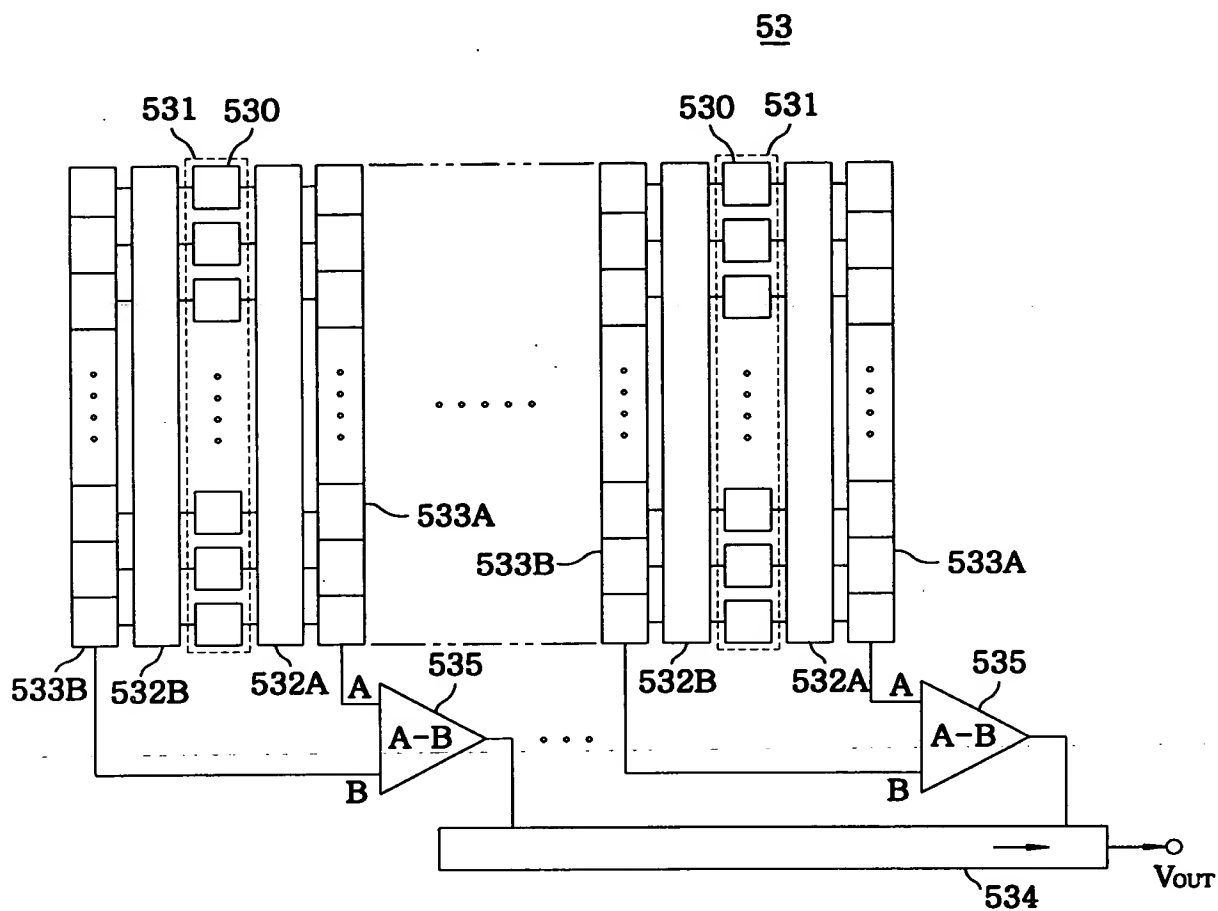
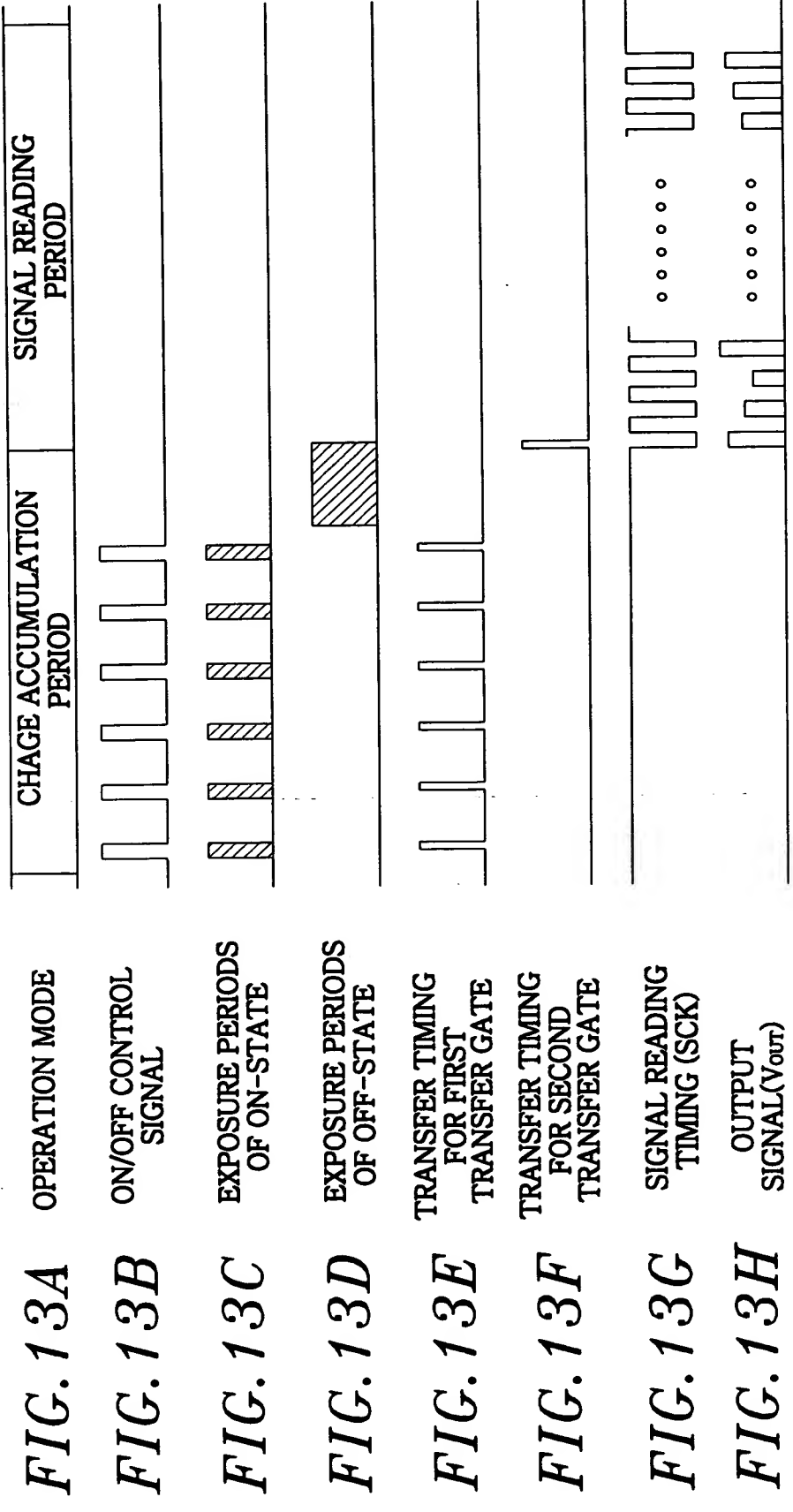


FIG. 12





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ON/OFF
OPERATION(50%)

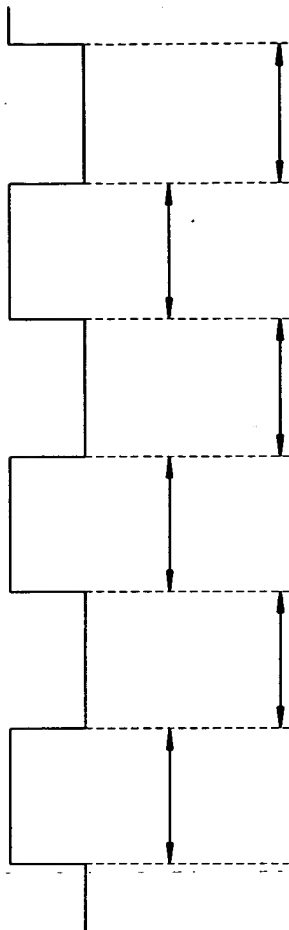


FIG. 14A

EXPOSURE PERIODS
OF ON-STATE

FIG. 14B

EXPOSURE PERIODS
OF OFF-STATE

FIG. 14C

ON/OFF
OPERATION(25%)

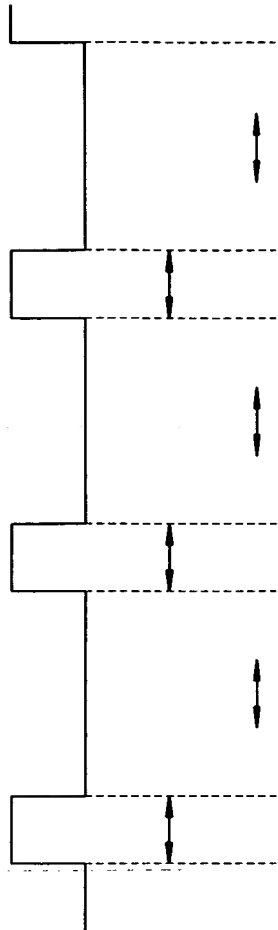


FIG. 14D

EXPOSURE PERIODS
OF ON-STATE

FIG. 14E

EXPOSURE PERIODS
OF OFF-STATE

FIG. 14F

FIG. 15

